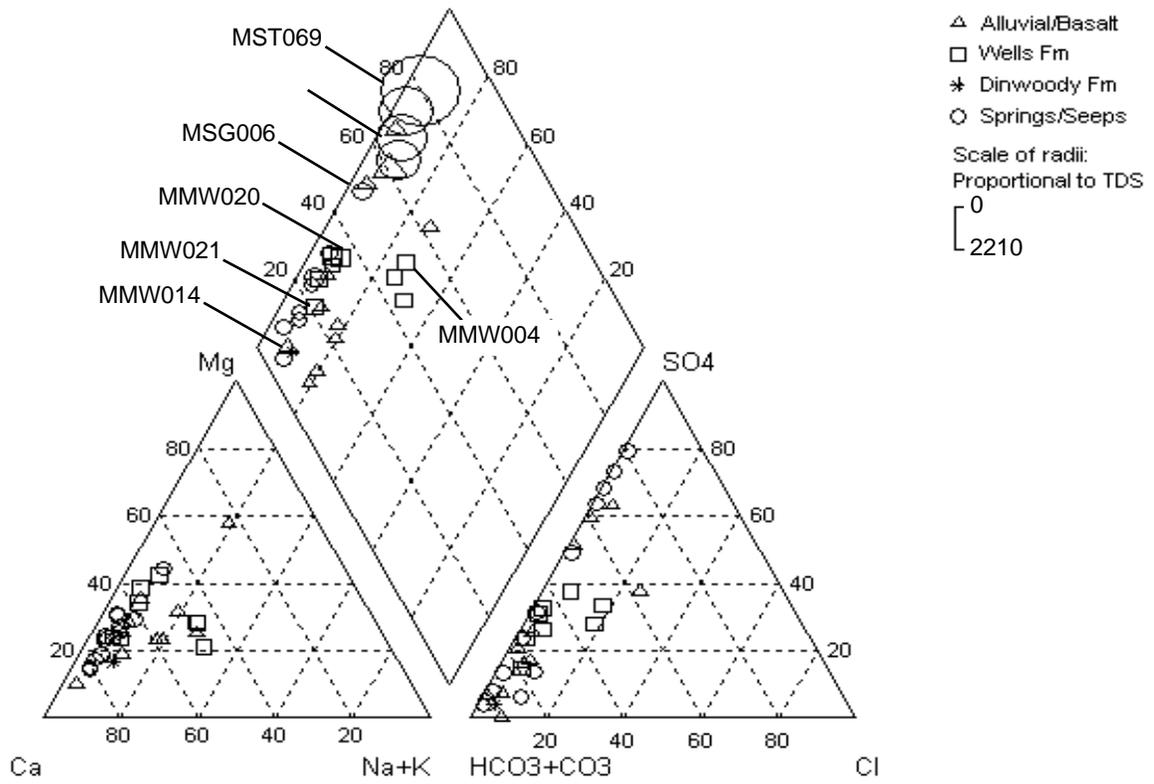
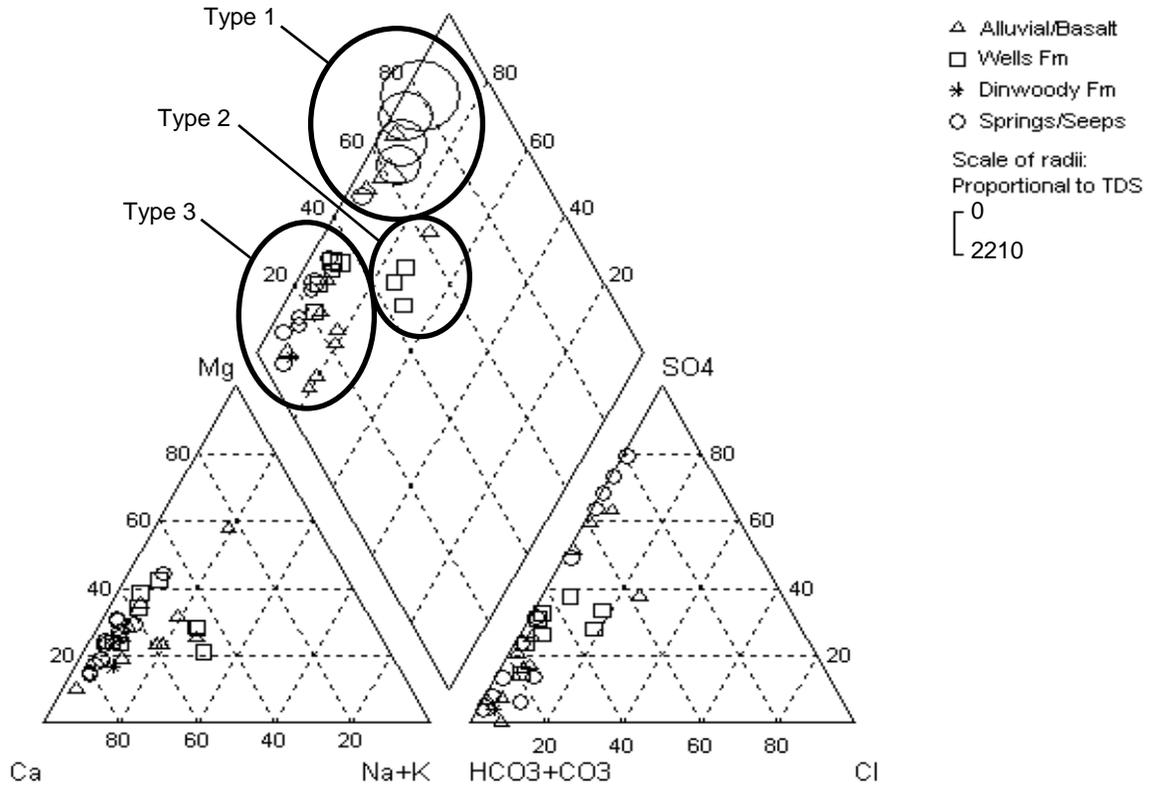


Piper diagram for the fall 2007 dataset with symbol size proportional to concentration of total dissolved solids (TDS). The labeled points are also presented as stiff diagrams.



Piper diagram for the fall 2007 dataset with symbol size proportional to concentration of total dissolved solids (TDS). Interpretation of the piper diagram has yielded three water types identified below.



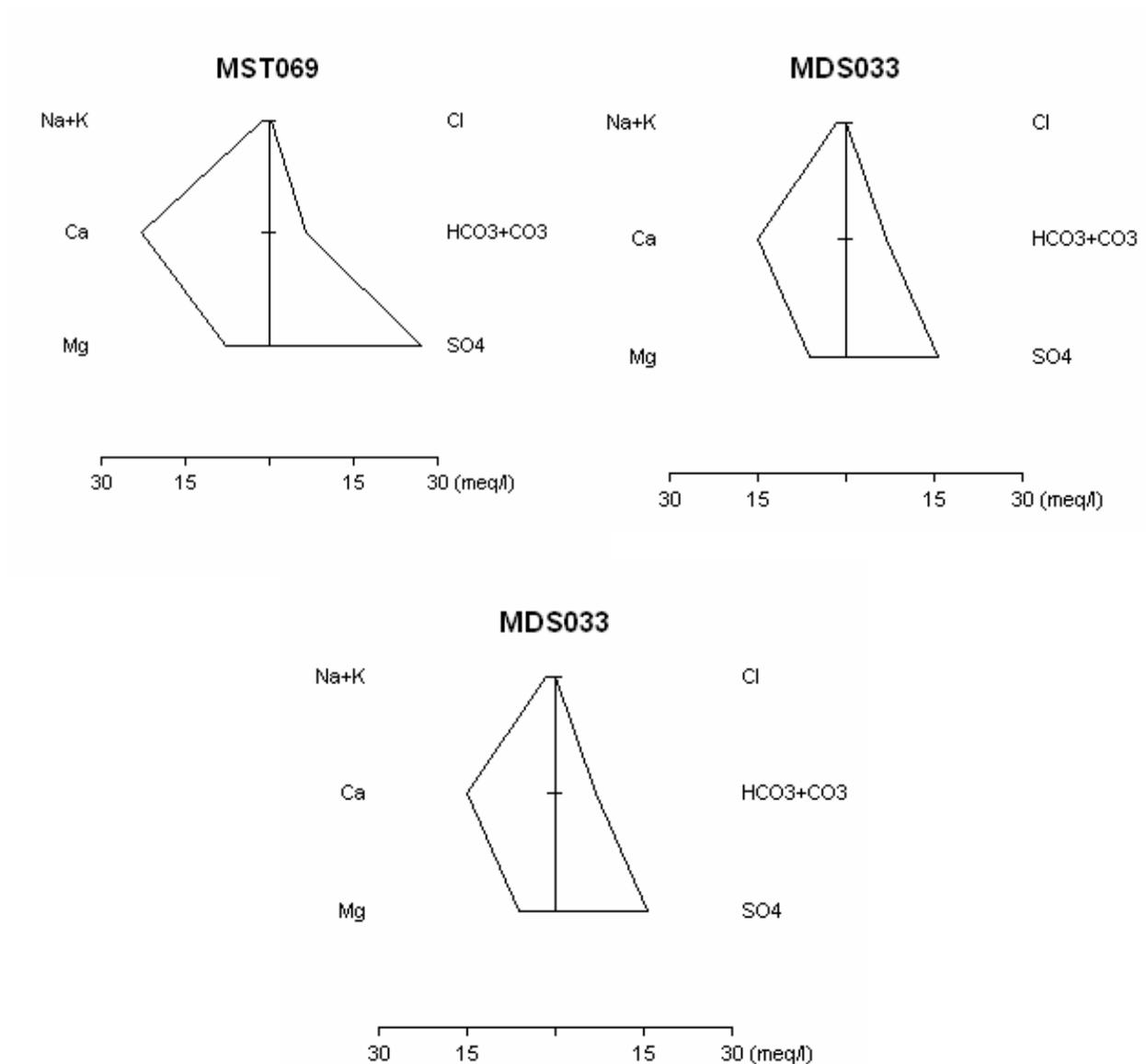
Water Type 1 is characterized by intermediate to high sulfate and higher TDS concentrations. The following monitoring points are characterized as Type 1 water: MST069, MDS026, MMW013, MDS033, MDS032, MMW017, MMW022, and MSG006.

Water Type 2 is characterized by intermediate sulfate and relatively higher sodium and chloride concentrations. The following monitoring points are characterized as Type 2 water: MMW019, MMW004, MMW011, and MMW023.

Water Type 3 is characterized by relatively low sulfate and higher relative concentrations calcium and bicarbonate/carbonate. The following monitoring points are characterized as Type 3 water: MMW010, MMW007, MMW008, MPW022, MDS022, MPW019, MMW014, MSG005, MST276, MSG001, MMW021, MMW018, MST274, MDS030, MMW009, MMW006, MSG003, MMW001, and MMW020.

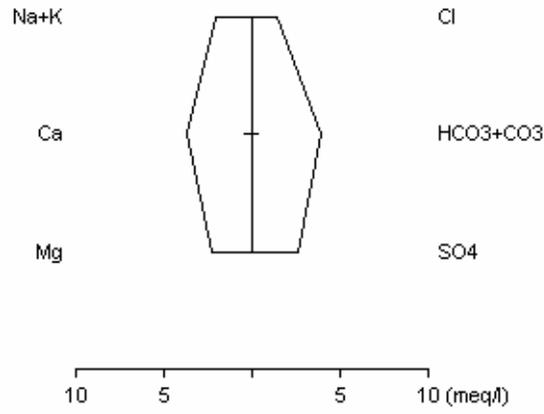
Stiff diagrams for the fall 2007 dataset illustrating the three water types. Stiff diagrams for water Type 1 have a maximum concentration of 30 meq/l while water Types 2 and 3 have a maximum concentration of 10 meq/l.

TYPE 1



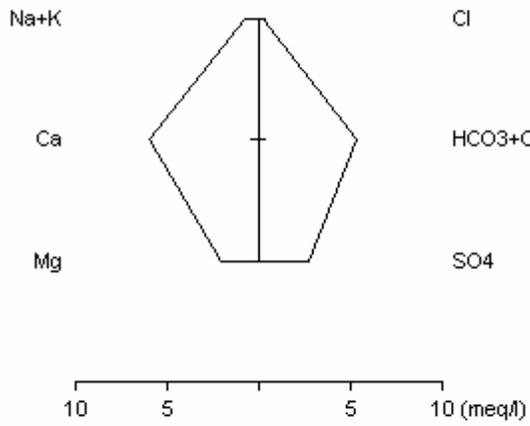
TYPE 2

MMW004

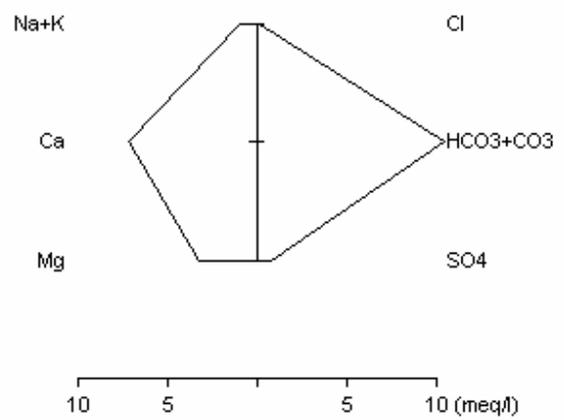


TYPE 3

MMW020



MMW014



MMW021

